

Title (en)

Pressurized and/or cryogenic gas containers and conduits made with a gas impermeable polymer.

Title (de)

Aus gasundurchlässigem Polymer hergestellte Druck und/oder kryogenische Gasbehälter und Leitungen.

Title (fr)

Réceptifs pour des gaz sous pression et/ou pour des gaz cryogéniques et des tuyaux fabriqués à partir d'un polymère imperméable aux gaz.

Publication

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Application

EP 91306083 A 19910704

Priority

US 54803490 A 19900705

Abstract (en)

A container or conduit for compressed gas and/or cryogenic gas is constructed with a gas impermeable synthetic polymer forming a gas barrier 14 and a structural component 16 that provides structural integrity to the container or conduit. The structural component is associated with the barrier 32. The gas impermeable synthetic polymer is preferably a thermotropic liquid crystal polymer. <IMAGE>

IPC 1-7

B29C 67/14; **B32B 27/08**; **F16L 11/12**; **F17C 1/16**; **F17C 3/08**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [YD] JOURNAL OF POLYMER SCIENCE, POLYMER PHYSICS EDITION. vol. 25, 1987, NEW YORK US pages 1699 - 1707; J.S.CHIQU ET AL.: 'Gas Transport in a Thermotropic Liquid-crystalline Polyester'

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